

## WEST Search History

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DATE: Tuesday, April 13, 2004

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		<i>DB=PGPB,USPT,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L4	((phosphodiesterase or PDE\$ or PDE4 or PDE5) same inhibitor?) same cAMP and Piclamilast	45
<input type="checkbox"/>	L3	(ovulat\$ or oocyte? adj maturat\$) same ((phosphodiesterase or PDE\$ or PDE4 or PDE5) same inhibitor?) same cAMP and Piclamilast	1
<input type="checkbox"/>	L2	(ovulat\$ or oocyte? adj maturat\$) same ((phosphodiesterase or PDE\$ or PDE4 or PDE5) same inhibitor?) same cAMP	6
<input type="checkbox"/>	L1	(ovulat\$ or oocyte? adj maturat\$) same (phosphodiesterase or PDE\$ or PDE4 or PDE5) same cAMP	8

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20020103106 A1

Using default format because multiple data bases are involved.

L3: Entry 1 of 1

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020103106

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020103106 A1

TITLE: Methods of inducing ovulation

PUBLICATION-DATE: August 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Palmer, Stephen	Plympton	MA	US	
McKenna, Sean	Duxbury	MA	US	
Tepper, Mark	Canton	MA	US	
Eshkol, Aliza	La Rippe		CH	
Macnamee, Michael C.	Cambridgeshire		GB	

US-CL-CURRENT: 514/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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Term	Documents
PHOSPHODIESTERASE	9838
PHOSPHODIESTERASES	1705
PDE4	687
PDE4S	57
PDE5	498
PDE5S	37
CAMP	0
CAMP	26117
CAMPS	1629

PICLAMILAST	86
PICLAMILASTS	0
((OVULAT\$ OR OOCYTE? ADJ MATURAT\$) SAME ((PHOSPHODIESTERASE OR PDE\$ OR PDE4 OR PDE5) SAME INHIBITOR?) SAME CAMP AND PICLAMILAST).PGPB,USPT,EPAB,DWPI,TDBD.	1

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[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

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Search Results - Record(s) 1 through 45 of 45 returned.

☐ 1. Document ID: US 20040053955 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 45

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040053955

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040053955 A1

TITLE: Acridone inhibitors of IMPDH enzyme

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Iwanowicz, Edwin J.	West Windsor	NJ	US	
Watterson, Scott H.	Pennington	NJ	US	
Chen, Ping	Belle Mead	NJ	US	
Dhar, T. G. Murali	Newtown	PA	US	
Gu, Henry H.	Bordentown	NJ	US	
Zhao, Yufen	Pennington	NJ	US	

US-CL-CURRENT: [514/297](#); [546/103](#), [546/14](#)

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 2. Document ID: US 20040048903 A1

L4: Entry 2 of 45

File: PGPB

Mar 11, 2004

PGPUB-DOCUMENT-NUMBER: 20040048903

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040048903 A1

TITLE: Nicotinamide biaryl derivatives useful as inhibitors of PDE4 isozymes

PUBLICATION-DATE: March 11, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chambers, Robert J.	Mystic	CT	US	
Marfat, Anthony	Mystic	CT	US	

Magee, Thomas V.                      Mystic              CT              US

US-CL-CURRENT: 514/350; 546/255, 546/298, 546/315

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 3. Document ID: US 20040034087 A1

L4: Entry 3 of 45

File: PGPB

Feb 19, 2004

PGPUB-DOCUMENT-NUMBER: 20040034087

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040034087 A1

TITLE: Synergistic combination

PUBLICATION-DATE: February 19, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kilian, Ulrich	Reichenau		DE	
Schudt, Christian	Konstanz		DE	

US-CL-CURRENT: 514/408; 514/651

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 4. Document ID: US 20040018504 A1

L4: Entry 4 of 45

File: PGPB

Jan 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040018504

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040018504 A1

TITLE: Method for extracting quantitative information relating to interactions between cellular components

PUBLICATION-DATE: January 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bjorn, Sara Petersen	Lyngby		DK	
Thastrup, Ole	Birkerod		DK	
Terry, Bernard Robert	Frederiksberg		DK	
Hagel, Grith	Dragor		DK	
Nielsen, Soren Jensby	Lyngby		DK	

US-CL-CURRENT: 435/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 5. Document ID: US 20040014761 A1

L4: Entry 5 of 45

File: PGPB

Jan 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040014761

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040014761 A1

TITLE: Treatment of female sexual dysfunction with phosphodiesterase inhibitors

PUBLICATION-DATE: January 22, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Place, Virgil A.	Kawaihae	HI	US	
Wilson, Leland F.	Menlo Park	CA	US	
Doherty, Paul C. JR.	Cupertino	CA	US	
Hanamoto, Mark S.	Belmont	CA	US	
Spivack, Alfred P.	Menlo Park	CA	US	
Gesundheit, Neil	Los Altos	CA	US	
Bennett, Sean R.	Denver	CO	US	
Doherty, Jane	Cupertino	CA	US	

US-CL-CURRENT: 514/247; 514/255.06, 514/259.41, 514/264.1, 514/314, 514/389

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 6. Document ID: US 20040009998 A1

L4: Entry 6 of 45

File: PGPB

Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040009998

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040009998 A1

TITLE: Spiro-hydantoin compounds useful as anti-inflammatory agents

PUBLICATION-DATE: January 15, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Dhar, T. G. Murali	Newtown	PA	US	
Potin, Dominique	Epone	NJ	FR	
Maillet, Magali Jeannine Blandine	Suresnes		FR	
Launay, Michele	Rueil Malmaison		FR	
Nicolai, Eric Antoine	Rueil Malmaison		FR	
Iwanowicz, Edwin J.	Cranbury		US	

US-CL-CURRENT: [514/278](#); [514/387](#), [546/15](#), [548/300.7](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: US 20030229134 A1

L4: Entry 7 of 45

File: PGPB

Dec 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030229134

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030229134 A1

TITLE: Methods for stimulating nervous system regeneration and repair by inhibiting phosphodiesterase type 4

PUBLICATION-DATE: December 11, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Filbin, Marie T.	New York	NY	US	
Nikulina, Elena	Astoria	NY	US	

US-CL-CURRENT: [514/424](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 20030203915 A1

L4: Entry 8 of 45

File: PGPB

Oct 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030203915

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030203915 A1

TITLE: Nitric oxide donors, compositions and methods of use related applications

PUBLICATION-DATE: October 30, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Fang, Xinqin	Lexington	MA	US	
Garvey, David S.	Dover	MA	US	
Gaston, Ricky D.	Malden	MA	US	
Lin, Chia-En	Burlington	MA	US	
Ranatunga, Ramani R.	Lexington	MA	US	
Richardson, Stewart K.	Tolland	CT	US	
Wang, Tiansheng	Concord	MA	US	
Wang, Weiheng	Bedford	MA	US	
Wey, Shiow-Jyi	Woburn	MA	US	

US-CL-CURRENT: [514/253.01](#); [514/275](#), [514/305](#), [514/484](#), [514/508](#), [544/322](#), [544/360](#), [558/480](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 9. Document ID: US 20030187056 A1

L4: Entry 9 of 45

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030187056

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030187056 A1

TITLE: Live cell procedures to identify to identify compounds modulating intracellular distribution of phosphodiesterase( pde) enzymes

PUBLICATION-DATE: October 2, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Terry, Bernard Robert	Frederiksberg		DK	
Scudder, Kurt Marshall	Virum		DK	
Bjorn, Sara Petersen	Lyngby		DK	
Thastrup, Ole	Birkerod		DK	
Almholt, Dorte Christensen	Greve		DK	
Praestegaard, Morten	Ballerup		DK	

US-CL-CURRENT: [514/424](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 10. Document ID: US 20030186989 A1

L4: Entry 10 of 45

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030186989

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030186989 A1

TITLE: Nicotinamide benzofused-heterocyclyl derivatives useful as selective inhibitors of pde4 isozymes

PUBLICATION-DATE: October 2, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Marfat, Anthony	Mystic	CT	US	
Chambers, Robert James	Mystic	CT	US	

US-CL-CURRENT: [514/252.02](#); [514/255.05](#), [514/256](#), [514/269](#), [514/332](#), [514/340](#), [514/341](#), [514/342](#), [544/238](#), [544/295](#), [544/296](#), [544/405](#), [546/261](#), [546/262](#), [546/268.1](#), [546/268.7](#), [546/269.1](#),



[546/269.7](#), [546/271.4](#), [546/272.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 11. Document ID: US 20030186974 A1

L4: Entry 11 of 45

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030186974

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030186974 A1

TITLE: Pyrrolyl- and imidazolyl-acid amide derivatives useful as inhibitors of PDE4 isozymes

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Marfat, Anthony			US	
McKechney, Michael William			US	

US-CL-CURRENT: [514/227.8](#); [514/210.2](#), [514/235.5](#), [514/249](#), [514/252.05](#), [514/255.05](#), [514/256](#),  
[514/263.2](#), [514/266.2](#), [514/365](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 12. Document ID: US 20030186943 A1

L4: Entry 12 of 45

File: PGPB

Oct 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030186943

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030186943 A1

TITLE: Substituted gamma-phenyl-delta-lactams and uses related thereto

PUBLICATION-DATE: October 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shen, Yaping	Port Coquitlam		CA	
Burgoyne, David L.	Delta		CA	
Lauener, Ronald W.	New Westminster		CA	
Zhou, Yuanlin	Richmond		CA	
Rebstein, Patrick J.	Vancouver		CA	
Abraham, Samuel D. M.	Vancouver		CA	

US-CL-CURRENT: [514/89](#); [514/317](#), [546/216](#), [546/22](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 13. Document ID: US 20030181497 A1

L4: Entry 13 of 45

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030181497

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030181497 A1

TITLE: Heterocyclic acridone inhibitors of IMPDH enzyme

PUBLICATION-DATE: September 25, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chen, Ping	Belle Mead	NJ	US	
Dhar, T. G. Murali	Newtown	PA	US	
Iwanowicz, Edwin J.	West Windsor	NJ	US	
Watterson, Scott H.	Pennington	NJ	US	
Gu, Henry	Bordentown	NJ	US	
Zhao, Yufen	Pennington	NJ	US	

US-CL-CURRENT: [514/374](#); [548/236](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 14. Document ID: US 20030171306 A1

L4: Entry 14 of 45

File: PGPB

Sep 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030171306

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030171306 A1

TITLE: Cancer treatment method

PUBLICATION-DATE: September 11, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Davis, Stephen Thomas	Durham	NC	US	
Dev, Inderjit Kumar	Research Triangle Park	NC	US	
Dornsife, Ronna Ellen	Research Triangle Park	NC	US	
Gray, John Gordon	Research Triangle Park	NC	US	

US-CL-CURRENT: [514/27](#); [514/283](#), [514/355](#), [514/522](#), [514/567](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 15. Document ID: US 20030149052 A1

L4: Entry 15 of 45

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030149052

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030149052 A1

TITLE: Phosphodiesterase 4 inhibitors

PUBLICATION-DATE: August 7, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Schumacher, Richard A.	Monroe	NY	US	
Brubaker, William F.	Cheshire	CT	US	
De Vivo, Michael	New York	NY	US	
Hess, Hans-Jurgen Ernst	Old Lyme	CT	US	
Hopper, Allen	Glen Rock	NJ	US	
Tehim, Ashok	Ridgewood	NJ	US	
Liu, Ruiping	Huntington	NY	US	
Unterbeck, Axel	Madison	CT	US	

US-CL-CURRENT: [514/255.05](#); [514/256](#), [514/310](#), [514/311](#), [514/317](#), [514/370](#), [514/447](#), [514/646](#),  
[544/330](#), [544/407](#), [546/143](#), [546/159](#), [546/223](#), [546/304](#), [548/190](#), [564/443](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 16. Document ID: US 20030144300 A1

L4: Entry 16 of 45

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030144300

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030144300 A1

TITLE: Pyrimidine carboxamides useful as inhibitors of pde4 isozymes

PUBLICATION-DATE: July 31, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Magee, Thomas Victor	Mystic	CT	US	
Marfat, Anthony	Mystic	CT	US	
Chambers, Robert James	Mystic	CT	US	

US-CL-CURRENT: [514/256](#); [514/269](#), [544/314](#), [544/326](#), [544/328](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw Desc	Image
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☐ 17. Document ID: US 20030139406 A1

L4: Entry 17 of 45

File: PGPB

Jul 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030139406

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030139406 A1

TITLE: Phosphodiesterase 4 inhibitors

PUBLICATION-DATE: July 24, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Liu, Ruiping	Huntington	NY	US	
De Vivo, Mike	New York	NY	US	
Hess, Hans-Jurgen Ernst	Old Lyme	CT	US	
Hopper, Allen	Glen Rock	NJ	US	
Kreuster, Erik	Franklin	NJ	US	
Tehim, Ashok	Ridgewood	NJ	US	

US-CL-CURRENT: [514/227.8](#); [514/235.8](#), [514/254.01](#), [514/326](#), [514/422](#), [514/424](#), [544/141](#), [544/372](#), [544/60](#), [546/208](#), [548/517](#), [548/543](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 18. Document ID: US 20030134861 A1

L4: Entry 18 of 45

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030134861

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030134861 A1

TITLE: Transmucosal phosphodiesterase inhibitors for the treatment of erectile dysfunction

PUBLICATION-DATE: July 17, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Doherty, Paul C. JR.	Cupertino	CA	US	
Place, Virgil A.	Kawaihae	HI	US	
Smith, William L.	Mahwah	NJ	US	

US-CL-CURRENT: [514/252.16](#); [514/234.5](#), [514/249](#), [514/252.17](#), [514/262.1](#), [514/263.3](#), [514/263.38](#), [514/266.1](#), [514/266.22](#), [514/267](#), [514/269](#), [514/308](#), [514/345](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 19. Document ID: US 20030130254 A1

L4: Entry 19 of 45

File: PGPB

Jul 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030130254

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030130254 A1

TITLE: Oxazolyl-acid amide derivatives useful as inhibitors of PDE4 isozymes

PUBLICATION-DATE: July 10, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Marfat, Anthony			US	
McKechney, Michael William			US	

US-CL-CURRENT: 514/210.2; 514/227.8, 514/235.5, 514/248, 514/249, 514/252.05, 514/255.05, 514/256, 514/263.2, 514/266.2 , 514/314, 514/365

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 20. Document ID: US 20030096827 A1

L4: Entry 20 of 45

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030096827

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030096827 A1

TITLE: Compounds useful as modulators of melanocortin receptors and pharmaceutical compositions comprising same

PUBLICATION-DATE: May 22, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yu, Guixue	Lawrenceville	NJ	US	
Macor, John	Guilford	CT	US	
Herpin, Timothy	Princeton	NJ	US	
Lawrence, R. Michael	Yardley	PA	US	
Morton, George C.	Collegeville	PA	US	
Ruel, Rejean	Saint-Lambert	CT	CA	
Poindexter, Graham S.	Old Saybrook		US	
Ruediger, Edward H.	Greenfield Park		CA	
Thibault, Carl	Mascouche		CA	

US-CL-CURRENT: 514/255.01; 514/330, 514/616, 544/386, 546/207, 546/226, 558/430, 558/445, 564/152

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 21. Document ID: US 20030092732 A1

L4: Entry 21 of 45

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030092732

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030092732 A1

TITLE: Compounds useful as modulators of melanocortin receptors and pharmaceutical compositions comprising same

PUBLICATION-DATE: May 15, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Yu, Guixue	Lawrenceville	NJ	US	
Macor, John	Guilford	CT	US	
Herpin, Timothy	Princeton	NJ	US	
Lawrence, R. Michael	Yardley	PA	US	
Morton, George C.	Collegeville	PA	US	
Ruel, Rejean	Saint-Lambert	CT	CA	
Poindexter, Graham S.	Old Saybrook		US	
Ruediger, Edward H.	Greenfield Park		CA	
Thibault, Carl	Mascouche		CA	

US-CL-CURRENT: 514/326; 514/330, 546/207, 546/226

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 22. Document ID: US 20030069169 A1

L4: Entry 22 of 45

File: PGPB

Apr 10, 2003

PGPUB-DOCUMENT-NUMBER: 20030069169

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030069169 A1

TITLE: Co-administration of melanocortin receptor agonist and phosphodiesterase inhibitor for treatment of cyclic-AMP associated disorders

PUBLICATION-DATE: April 10, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Macor, John E.	Guilford	CT	US	
Carlson, Kenneth E.	West Windsor	NJ	US	

US-CL-CURRENT: 514/2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 23. Document ID: US 20030045533 A1

L4: Entry 23 of 45

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030045533

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030045533 A1

TITLE: Phosphodiesterase 4 inhibitors

PUBLICATION-DATE: March 6, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Liu, Ruiping	Huntington	NY	US	
Hess, Hans-Jurgen Ernst	Old Lyme	CT	US	
Hopper, Allen	Glen Rock	NJ	US	
Tehim, Ashok	Ridgewood	NJ	US	
Rong, Yajing	Monmouth Junction	NJ	US	

US-CL-CURRENT: 514/263.4; 544/277

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 24. Document ID: US 20030027845 A1

L4: Entry 24 of 45

File: PGPB

Feb 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030027845

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030027845 A1

TITLE: Ether derivatives useful as inhibitors of PDE4 isozymes

PUBLICATION-DATE: February 6, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Marfat, Anthony	Mystic	CT	US	
Chambers, Robert J.	Mystic	CT	US	
Magee, Thomas V.	Mystic	CT	US	

US-CL-CURRENT: 514/340; 514/345, 546/268.1, 546/298

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 25. Document ID: US 20030023087 A1

L4: Entry 25 of 45

File: PGPB

Jan 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030023087

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030023087 A1

TITLE: Nitrosated and nitrosylated phosphodiesterase inhibitors, compositions and methods of use

PUBLICATION-DATE: January 30, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Garvey, David S.	Dover	MA	US	
De Tejada, Inigo Saenz	Madrid	MA	ES	
Earl, Richard A.	Westford	MA	US	
Khanapure, Subhash P.	Clinton		US	

US-CL-CURRENT: 544/262; 548/530

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 26. Document ID: US 20020193612 A1

L4: Entry 26 of 45

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020193612

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020193612 A1

TITLE: Nicotinamide biaryl derivatives useful as inhibitors of PDE4 isozymes

PUBLICATION-DATE: December 19, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chambers, Robert J.	Mystic	CT	US	
Marfat, Anthony	Mystic	CT	US	
Magee, Thomas V.	Mystic	CT	US	

US-CL-CURRENT: 549/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 27. Document ID: US 20020151566 A1

L4: Entry 27 of 45

File: PGPB

Oct 17, 2002



PGPUB-DOCUMENT-NUMBER: 20020151566  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020151566 A1

TITLE: Phosphodiesterase 4 inhibitors

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Schumacher, Richard A.	Monroe	NY	US	
Brubaker, William F. JR.	Cheshire	CT	US	
De Vivo, Michael	New York	NY	US	
Hess, Hans-Jurgen Ernst	Old Lyme	CT	US	
Hopper, Allen	Glen Rock	NJ	US	
Tehim, Ashok	Ridgewood	NJ	US	
Liu, Ruiping	Huntington	NY	US	
Unterbeck, Axel	Madison	CT	US	

US-CL-CURRENT: [514/317](#); [514/429](#), [514/523](#), [514/646](#), [546/229](#), [546/230](#), [548/577](#), [558/390](#), [564/443](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 28. Document ID: US 20020123520 A1

L4: Entry 28 of 45

File: PGPB

Sep 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020123520  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020123520 A1

TITLE: Thiazolyl-, oxazolyl-, pyrrolyl-, and imidazolyl-acid amide derivatives useful as inhibitors of PDE4 isozymes

PUBLICATION-DATE: September 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Marfat, Anthony	Mystic	CT	US	
McKechney, Michael William	Fairport	NY	US	

US-CL-CURRENT: [514/365](#); [514/341](#), [514/342](#), [514/398](#), [546/269.7](#), [546/272.7](#), [548/188](#), [548/323.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 29. Document ID: US 20020111495 A1

L4: Entry 29 of 45

File: PGPB

Aug 15, 2002

PGPUB-DOCUMENT-NUMBER: 20020111495

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020111495 A1

TITLE: Nicotinamide acids, amides, and their mimetics active as inhibitors of PDE4 isozymes

PUBLICATION-DATE: August 15, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Magee, Thomas Victor	Mystic	CT	US	
Marfat, Anthony	Mystic	CT	US	
Chambers, Robert James	Mystic	CT	US	

US-CL-CURRENT: [546/291](#); [546/298](#), [546/315](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC
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## WEST Search History

[Hide Items](#)[Restore](#)[Clear](#)[Cancel](#)

DATE: Tuesday, April 13, 2004

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L2	(ovulat\$ or oocyte? adj maturat\$) same ((phosphodiesterase or PDE\$ or PDE4 or PDE5) same inhibitor?) same cAMP	6
<input type="checkbox"/>	L1	(ovulat\$ or oocyte? adj maturat\$) same (phosphodiesterase or PDE\$ or PDE4 or PDE5) same cAMP	8

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20040023945 A1

Using default format because multiple data bases are involved.

L1: Entry 1 of 8

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040023945

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040023945 A1

TITLE: CYCLIC AMP-SPECIFIC PHOSPHODIESTERASE INHIBITORS

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Martins, Timothy J.	Bothell	WA	US	
Fowler, Kerry W.	Seattle	WA	US	
Odingo, Joshua	Everett	WA	US	
Kesicki, Edward A.	Bothell	WA	US	
Oliver, Amy	Bothell	WA	US	
Burgess, Laurence E.	Boulder	CO	US	
Gaudino, John J.	Longmont	CO	US	
Jones, Zachary S.	Westminster	CO	US	
Newhouse, Bradley J.	Broomfield	CO	US	
Schlachter, Stephen T.	Boulder	CO	US	

US-CL-CURRENT: [514/210.2](#); [514/326](#), [514/408](#), [514/422](#), [546/208](#), [548/518](#), [548/570](#)

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KMC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 2. Document ID: US 20030220273 A1

L1: Entry 2 of 8

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030220273

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030220273 A1

TITLE: Antisense modulation of phosphodiesterase 4D expression

PUBLICATION-DATE: November 27, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bennett, C. Frank	Carlsbad	CA	US	
Dobie, Kenneth W.	Del Mar	CA	US	
Roach, Mark P.	Carlsbad	CA	US	

US-CL-CURRENT: 514/44; 536/23.2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20020103106 A1

L1: Entry 3 of 8

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020103106

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020103106 A1

TITLE: Methods of inducing ovulation

PUBLICATION-DATE: August 1, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Palmer, Stephen	Plympton	MA	US	
McKenna, Sean	Duxbury	MA	US	
Tepper, Mark	Canton	MA	US	
Eshkol, Aliza	La Rippe		CH	
Macnamee, Michael C.	Cambridgeshire		GB	

US-CL-CURRENT: 514/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20020065324 A1

L1: Entry 4 of 8

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020065324

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020065324 A1

TITLE: Methods of inducing ovulation

PUBLICATION-DATE: May 30, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Palmer, Stephen	Plympton	MA	US	
McKenna, Sean	Duxbury	MA	US	

Tepper, Mark	Canton	MA	US
Eshkol, Aliza	la Rippe		CH
Macnamee, Michael C.	Cambridgeshire		GB

US-CL-CURRENT: [514/650](#); [514/12](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 5. Document ID: US 6716871 B2

L1: Entry 5 of 8

File: USPT

Apr 6, 2004

US-PAT-NO: 6716871

DOCUMENT-IDENTIFIER: US 6716871 B2

TITLE: Cyclic AMP-specific phosphodie sterase inhibitors

DATE-ISSUED: April 6, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Martins; Timothy J.	Bothell	WA		
Fowler; Kerry W.	Seattle	WA		
Odingo; Joshua	Everett	WA		
Kesicki; Edward A.	Bothell	WA		
Oliver; Amy	Bothell	WA		
Burgess; Laurence E	Boulder	CO		
Gaudino; John J.	Longmont	CO		
Jones; Zachary S	Westminster	CO		
Newhouse; Bradley J	Broomfield	CO		
Schlachter; Stephen T.	Boulder	CO		

US-CL-CURRENT: [514/423](#); [514/231.5](#), [514/252.11](#), [514/340](#), [514/365](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Desc	Image
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☐ 6. Document ID: US 6423710 B1

L1: Entry 6 of 8

File: USPT

Jul 23, 2002

US-PAT-NO: 6423710

DOCUMENT-IDENTIFIER: US 6423710 B1

TITLE: Cyclic AMP-specific phosphodiesterase inhibitors

DATE-ISSUED: July 23, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Martins; Timothy J.	Bothell	WA
owler; Kerry W.	Seattle	WA
lingo; Joshua	Everett	WA
esicki; Edward A.	Bothell	WA
liver; Amy	Bothell	WA
urgess; Laurence E.	Boulder	CO
audino; John J.	Longmont	CO
ones; Zachary S.	Westminster	CO
ewhouse; Bradley J.	Broomfield	CO
schlachter; Stephen T.	Boulder	CO

US-CL-CURRENT: [514/231.5](#); [514/252.05](#), [514/253.13](#), [544/141](#), [544/372](#), [548/518](#), [548/530](#), [548/579](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 7. Document ID: WO 3051344 A1

L1: Entry 7 of 8

File: EPAB

Jun 26, 2003

PUB-NO: WO003051344A1

DOCUMENT-IDENTIFIER: WO 3051344 A1

TITLE: METHODS OF INDUCING OVULATION\_USING A NON-POLYPEPTIDE CAMP LEVEL MODULATOR

PUBN-DATE: June 26, 2003

## INVENTOR-INFORMATION:

NAME	COUNTRY
PALMER, STEPHEN	US
TEPPER, MARK	US
MCKENNA, SEAN	US
MACNAMEE, MICHAEL C	GB
ESHKOL, ALIZA	CH

INT-CL (IPC): [A61 K 31/00](#); [A61 K 31/277](#); [A61 K 31/44](#); [A61 K 31/519](#); [A61 K 31/502](#); [A61 K 45/06](#);  
[A61 P 15/08](#)EUR-CL (EPC): [A61K031/44](#); [A61K031/00](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc	Image
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☐ 8. Document ID: US 20020065324 A1

L1: Entry 8 of 8

File: DWPI

May 30, 2002

DERWENT-ACC-NO: 2002-556738

DERWENT-WEEK: 200266

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TITLE: Ovulation induction in host involves administering non-polypeptide cAMP level modulator alone or in combination with human chorionic gonadotropin/lutenizing hormone prior to luteal phase of host's ovulatory cycle

INVENTOR: ESHKOL, A; MACNAMEE, M C ; MCKENNA, S ; PALMER, S ; TEPPER, M

PRIORITY-DATA: 2000US-224962P (August 11, 2000), 2001US-0928268 (August 10, 2001)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020065324 A1	May 30, 2002		020	A61K031/137

INT-CL (IPC): A61 K 31/137; A61 K 38/24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Desc	Image
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Term	Documents
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PHOSPHODIESTERASES	1705
PDE4	687
PDE4S	57
PDE5	498
PDE5S	37
CAMP	0
CAMP	26117
CAMPS	1629
OVULAT\$	0
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☐ 1. Document ID: US 20040023945 A1

Using default format because multiple data bases are involved.

L2: Entry 1 of 6

File: PGPB

Feb 5, 2004

PGPUB-DOCUMENT-NUMBER: 20040023945

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040023945 A1

TITLE: CYCLIC AMP-SPECIFIC PHOSPHODIESTERASE INHIBITORS

PUBLICATION-DATE: February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Martins, Timothy J.	Bothell	WA	US	
Fowler, Kerry W.	Seattle	WA	US	
Odingo, Joshua	Everett	WA	US	
Kesicki, Edward A.	Bothell	WA	US	
Oliver, Amy	Bothell	WA	US	
Burgess, Laurence E.	Boulder	CO	US	
Gaudino, John J.	Longmont	CO	US	
Jones, Zachary S.	Westminster	CO	US	
Newhouse, Bradley J.	Broomfield	CO	US	
Schlachter, Stephen T.	Boulder	CO	US	

US-CL-CURRENT: [514/210.2](#); [514/326](#), [514/408](#), [514/422](#), [546/208](#), [548/518](#), [548/570](#)

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">Claims</a>	<a href="#">KWC</a>	<a href="#">Draw Desc</a>	<a href="#">Image</a>
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☐ 2. Document ID: US 20020103106 A1

L2: Entry 2 of 6

File: PGPB

Aug 1, 2002

PGPUB-DOCUMENT-NUMBER: 20020103106

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020103106 A1

TITLE: Methods of inducing ovulation

PUBLICATION-DATE: August 1, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Palmer, Stephen	Plympton	MA	US	
McKenna, Sean	Duxbury	MA	US	
Tepper, Mark	Canton	MA	US	
Eshkol, Aliza	La Rippe		CH	
Macnamee, Michael C.	Cambridgeshire		GB	

US-CL-CURRENT: 514/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20020065324 A1

L2: Entry 3 of 6

File: PGPB

May 30, 2002

PGPUB-DOCUMENT-NUMBER: 20020065324

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020065324 A1

TITLE: Methods of inducing ovulation

PUBLICATION-DATE: May 30, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Palmer, Stephen	Plympton	MA	US	
McKenna, Sean	Duxbury	MA	US	
Tepper, Mark	Canton	MA	US	
Eshkol, Aliza	la Rippe		CH	
Macnamee, Michael C.	Cambridgeshire		GB	

US-CL-CURRENT: 514/650; 514/12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 6716871 B2

L2: Entry 4 of 6

File: USPT

Apr 6, 2004

US-PAT-NO: 6716871

DOCUMENT-IDENTIFIER: US 6716871 B2

TITLE: Cyclic AMP-specific phosphodie sterase inhibitors

DATE-ISSUED: April 6, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
------	------	-------	----------	---------

Martins; Timothy J.	Bothell	WA
Fowler; Kerry W.	Seattle	WA
Odingo; Joshua	Everett	WA
Kesicki; Edward A.	Bothell	WA
Oliver; Amy	Bothell	WA
Burgess; Laurence E	Boulder	CO
Gaudino; John J.	Longmont	CO
Jones; Zachary S	Westminster	CO
Newhouse; Bradley J	Broomfield	CO
Schlachter; Stephen T.	Boulder	CO

US-CL-CURRENT: [514/423](#); [514/231.5](#), [514/252.11](#), [514/340](#), [514/365](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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☐ 5. Document ID: US 6423710 B1

L2: Entry 5 of 6

File: USPT

Jul 23, 2002

US-PAT-NO: 6423710

DOCUMENT-IDENTIFIER: US 6423710 B1

TITLE: Cyclic AMP-specific phosphodiesterase inhibitors

DATE-ISSUED: July 23, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Martins; Timothy J.	Bothell	WA		
Fowler; Kerry W.	Seattle	WA		
Odingo; Joshua	Everett	WA		
Kesicki; Edward A.	Bothell	WA		
Oliver; Amy	Bothell	WA		
Burgess; Laurence E.	Boulder	CO		
Gaudino; John J.	Longmont	CO		
Jones; Zachary S.	Westminster	CO		
Newhouse; Bradley J.	Broomfield	CO		
Schlachter; Stephen T.	Boulder	CO		

US-CL-CURRENT: [514/231.5](#); [514/252.05](#), [514/253.13](#), [544/141](#), [544/372](#), [548/518](#), [548/530](#), [548/579](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWC	Draw Desc	Image
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☐ 6. Document ID: WO 3051344 A1

L2: Entry 6 of 6

File: EPAB

Jun 26, 2003

PUB-NO: WO003051344A1

DOCUMENT-IDENTIFIER: WO 3051344 A1

TITLE: METHODS OF INDUCING OVULATION\_USING A NON-POLYPEPTIDE CAMP LEVEL MODULATOR

PUBN-DATE: June 26, 2003

## INVENTOR-INFORMATION:

NAME	COUNTRY
PALMER, STEPHEN	US
TEPPER, MARK	US
MCKENNA, SEAN	US
MACNAMEE, MICHAEL C	GB
ESHKOL, ALIZA	CH

INT-CL (IPC): A61 K 31/00; A61 K 31/277; A61 K 31/44; A61 K 31/519; A61 K 31/502; A61 K 45/06; A61 P 15/08

EUR-CL (EPC): A61K031/44; A61K031/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	KWIC	Draw Desc	Image
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Bkwd Refs

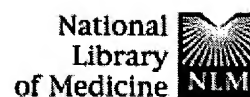
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Term	Documents
PHOSPHODIESTERASE	9838
PHOSPHODIESTERASES	1705
PDE4	687
PDE4S	57
PDE5	498
PDE5S	37
CAMP	0
CAMP	26117
CAMPS	1629
OVULAT\$	0
OVULAT	1
((OVULAT\$ OR OOCYTE? ADJ MATURAT\$) SAME ((PHOSPHODIESTERASE OR PDE\$ OR PDE4 OR PDE5) SAME INHIBITOR?) SAME CAMP).PGPB,USPT,EPAB,DWPI,TDBD.	6

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Page 1 of 11 Next

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☐ 1: [Tsafriri A, Chun SY, Zhang R, Hsueh AJ, Conti M.](#)[Related Articles, Links](#)

Oocyte maturation involves compartmentalization and opposing changes of cAMP levels in follicular somatic and germ cells: studies using selective phosphodiesterase inhibitors.  
Dev Biol. 1996 Sep 15;178(2):393-402.  
PMID: 8812137 [PubMed - indexed for MEDLINE]

☐ 2: [Thomas RE, Armstrong DT, Gilchrist RB.](#)[Related Articles, Links](#)

Differential effects of specific phosphodiesterase isoenzyme inhibitors on bovine oocyte meiotic maturation.  
Dev Biol. 2002 Apr 15;244(2):215-25.  
PMID: 11944932 [PubMed - indexed for MEDLINE]

☐ 3: [Conti M, Andersen CB, Richard F, Mehats C, Chun SY, Horner K, Jin C, Tsafriri A.](#)[Related Articles, Links](#)

Role of cyclic nucleotide signaling in oocyte maturation.  
Mol Cell Endocrinol. 2002 Feb 22;187(1-2):153-9. Review.  
PMID: 11988323 [PubMed - indexed for MEDLINE]

☐ 4: [Richard FJ, Tsafriri A, Conti M.](#)[Related Articles, Links](#)

Role of phosphodiesterase type 3A in rat oocyte maturation.  
Biol Reprod. 2001 Nov;65(5):1444-51.  
PMID: 11673261 [PubMed - indexed for MEDLINE]

☐ 5: [Mayes MA, Sirard MA.](#)[Related Articles, Links](#)

Effect of type 3 and type 4 phosphodiesterase inhibitors on the maintenance of bovine oocytes in meiotic arrest.  
Biol Reprod. 2002 Jan;66(1):180-4.  
PMID: 11751280 [PubMed - indexed for MEDLINE]

☐ 6: [Wiersma A, Hirsch B, Tsafriri A, Hanssen RG, Van de Kant M, Kloosterboer HJ, Conti M, Hsueh AJ.](#)[Related Articles, Links](#)

Phosphodiesterase 3 inhibitors suppress oocyte maturation and consequent pregnancy without affecting ovulation and cyclicity in rodents.  
J Clin Invest. 1998 Aug 1;102(3):532-7.  
PMID: 9691090 [PubMed - indexed for MEDLINE]

☐ 7: [Haider S.](#)[Related Articles, Links](#)

Cyclic AMP level and phosphodiesterase activity during 17alpha,20beta-dihydroxy-4-pregnen-3-one induction and theophylline inhibition of oocyte maturation in the catfish, *Clarias batrachus*.  
Comp Biochem Physiol A Mol Integr Physiol. 2003 Feb;134(2):267-74.  
PMID: 12547256 [PubMed - indexed for MEDLINE]

[Schultz RM, Montgomery RR, Belanoff JR.](#)[Related Articles, Links](#)

8:



Regulation of mouse oocyte meiotic maturation: implication of a decrease in oocyte cAMP and protein dephosphorylation in commitment to resume meiosis.

Dev Biol. 1983 Jun;97(2):264-73.

PMID: 6189752 [PubMed - indexed for MEDLINE]

9: [Jensen JT](#), [Schwinof KM](#), [Zelinski-Wooten MB](#), [Conti M](#), [DePaolo LV](#), [Stouffer RL](#). Related Articles, Links



Phosphodiesterase 3 inhibitors selectively block the spontaneous resumption of meiosis by macaque oocytes in vitro.

Hum Reprod. 2002 Aug;17(8):2079-84.

PMID: 12151440 [PubMed - indexed for MEDLINE]

10: [Haider S](#), [Baqri SS](#).

Related Articles, Links



beta-adrenoceptor antagonists reinitiate meiotic maturation in *Clarias batrachus* oocytes.

Comp Biochem Physiol A Mol Integr Physiol. 2000 Aug;126(4):517-25.

PMID: 10989342 [PubMed - indexed for MEDLINE]

11: [Conti M](#), [Andersen CB](#), [Richard FJ](#), [Shitsukawa K](#), [Tsafriri A](#).

Related Articles, Links



Role of cyclic nucleotide phosphodiesterases in resumption of meiosis.

Mol Cell Endocrinol. 1998 Oct 25;145(1-2):9-14. Review.

PMID: 9922093 [PubMed - indexed for MEDLINE]

12: [Bornslaeger EA](#), [Wilde MW](#), [Schultz RM](#).

Related Articles, Links



Regulation of mouse oocyte maturation: involvement of cyclic AMP phosphodiesterase and calmodulin.

Dev Biol. 1984 Oct;105(2):488-99.

PMID: 6207062 [PubMed - indexed for MEDLINE]

13: [Kwon HB](#), [Park HJ](#), [Schuetz AW](#).

Related Articles, Links



Induction and inhibition of meiotic maturation of amphibian (*Rana dybowskii*) follicular oocytes by forskolin and cAMP in vitro.

Mol Reprod Dev. 1990 Feb;25(2):147-54.

PMID: 2155627 [PubMed - indexed for MEDLINE]

14: [Dekel N](#), [Galiani D](#), [Sherizly I](#).

Related Articles, Links



Dissociation between the inhibitory and the stimulatory action of cAMP on maturation of rat oocytes.

Mol Cell Endocrinol. 1988 Mar;56(1-2):115-21.

PMID: 2453385 [PubMed - indexed for MEDLINE]

15: [Haider S](#), [Chaube SK](#).

Related Articles, Links



The in vitro effects of forskolin, IBMX and cyanoketone on meiotic maturation in follicle-enclosed catfish (*Clarias batrachus*) oocytes.

Comp Biochem Physiol C Pharmacol Toxicol Endocrinol. 1996 Oct;115(2):117-23.

PMID: 9568358 [PubMed - indexed for MEDLINE]

16: [Bilodeau-Goeseels S](#).

Related Articles, Links



Effects of phosphodiesterase inhibitors on spontaneous nuclear maturation and cAMP concentrations in bovine oocytes.

Theriogenology. 2003 Dec;60(9):1679-90.

PMID: 14580650 [PubMed - indexed for MEDLINE]

17: [Bornslaeger EA](#), [Mattei P](#), [Schultz RM](#).

Related Articles, Links



Involvement of cAMP-dependent protein kinase and protein phosphorylation in regulation of mouse oocyte maturation.

Dev Biol. 1986 Apr;114(2):453-62.

PMID: 2420661 [PubMed - indexed for MEDLINE]

☐ 18: [Freter RR, Schultz RM.](#)

[Related Articles, Links](#)



Regulation of murine oocyte meiosis: evidence for a gonadotropin-induced, cAMP-dependent reduction in a maturation inhibitor.

J Cell Biol. 1984 Mar;98(3):1119-28.

PMID: 6321517 [PubMed - indexed for MEDLINE]

☐ 19: [Yoshimura Y, Nakamura Y, Ando M, Jinno M, Oda T, Karube M, Koyama N, Nanno T.](#)

[Related Articles, Links](#)



Stimulatory role of cyclic adenosine monophosphate as a mediator of meiotic resumption in rabbit oocytes.

Endocrinology. 1992 Jul;131(1):351-6.

PMID: 1319321 [PubMed - indexed for MEDLINE]

☐ 20: [Hashimoto N, Kishimoto T, Nagahama Y.](#)

[Related Articles, Links](#)



Inhibition of LH-induced and spontaneous meiotic maturation in mouse oocytes by N alpha-tosyl-L-lysine chloromethylketone.

J Exp Zool. 1988 Aug;247(2):177-82.

PMID: 2846744 [PubMed - indexed for MEDLINE]

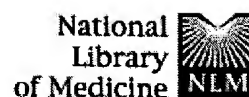
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Cyclic AMP-mediated control of oocyte maturation in the catfish, *Clarias batrachus* (Bloch): effects of 17 alpha,20 beta-dihydroxy-4-pregnen-3-one and phosphodiesterase inhibitors.

Indian J Exp Biol. 2000 Oct;38(10):967-73.

PMID: 11324167 [PubMed - indexed for MEDLINE]

☐ 22: [Umer F, Herrmann WL, Baulieu EE, Schorderet-Slatkine S.](#)

[Related Articles, Links](#)



Inhibition of denuded mouse oocyte meiotic maturation by forskolin, an activator of adenylate cyclase.

Endocrinology. 1983 Sep;113(3):1170-2.

PMID: 6191969 [PubMed - indexed for MEDLINE]

☐ 23: [Yoshimura Y, Nakamura Y, Oda T, Ando M, Ubukata Y, Karube M, Koyama N, Yamada H.](#)

[Related Articles, Links](#)



Induction of meiotic maturation of follicle-enclosed oocytes of rabbits by a transient increase followed by an abrupt decrease in cyclic AMP concentration.

J Reprod Fertil. 1992 Aug;95(3):803-12.

PMID: 1328629 [PubMed - indexed for MEDLINE]

☐ 24: [Thomas RE, Armstrong DT, Gilchrist RB.](#)

[Related Articles, Links](#)



Bovine cumulus cell-oocyte gap junctional communication during in vitro maturation in response to manipulation of cell-specific cyclic adenosine 3',5'-monophosphate levels.

Biol Reprod. 2004 Mar;70(3):548-56. Epub 2003 Oct 20.

PMID: 14568915 [PubMed - in process]

☐ 25: [Zhu WH, Majluf-Cruz A, Omburo GA.](#)

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Cyclic AMP-specific phosphodiesterase inhibitor rolipram and RO-20-1724 promoted apoptosis in HL60 promyelocytic leukemic cells via cyclic AMP-independent mechanism.

Life Sci. 1998;63(4):265-74.

PMID: 9698035 [PubMed - indexed for MEDLINE]

☐ 26: [Tsafriri A, Pomerantz SH.](#)

[Related Articles, Links](#)



Regulation of the development of meiotic competence and of the resumption of oocyte maturation in the rat.

Symp Soc Exp Biol. 1984;38:25-43.

PMID: 6100709 [PubMed - indexed for MEDLINE]

☐ 27: [Andersen CB, Roth RA, Conti M.](#)

[Related Articles, Links](#)



Protein kinase B/Akt induces resumption of meiosis in *Xenopus* oocytes.

J Biol Chem. 1998 Jul 24;273(30):18705-8.



PMID: 9668041 [PubMed - indexed for MEDLINE]

☐ 28: [Kwon HB, Schuetz AW.](#)

[Related Articles, Links](#)



Dichotomous effects of forskolin on somatic and germ cell components of the ovarian follicle: evidence of cAMP involvement in steroid production and action.

J Exp Zool. 1985 Nov;236(2):219-28.

PMID: 2999291 [PubMed - indexed for MEDLINE]

☐ 29: [Eppig JJ, Downs SM.](#)

[Related Articles, Links](#)



Chemical signals that regulate mammalian oocyte maturation.

Biol Reprod. 1984 Feb;30(1):1-11.

PMID: 6320914 [PubMed - indexed for MEDLINE]

☐ 30: [Kwon HB, Schuetz AW.](#)

[Related Articles, Links](#)



Role of cAMP in modulating intrafollicular progesterone levels and oocyte maturation in amphibians (*Rana pipiens*).

Dev Biol. 1986 Oct;117(2):354-64.

PMID: 2428681 [PubMed - indexed for MEDLINE]

☐ 31: [Tornell J, Billig H, Hillensjo T.](#)

[Related Articles, Links](#)



Resumption of rat oocyte meiosis is paralleled by a decrease in guanosine 3',5'-cyclic monophosphate (cGMP) and is inhibited by microinjection of cGMP.

Acta Physiol Scand. 1990 Jul;139(3):511-7.

PMID: 2173353 [PubMed - indexed for MEDLINE]

☐ 32: [Moon E, Lee R, Near R, Weintraub L, Wolda S, Lerner A.](#)

[Related Articles, Links](#)



Inhibition of PDE3B augments PDE4 inhibitor-induced apoptosis in a subset of patients with chronic lymphocytic leukemia.

Clin Cancer Res. 2002 Feb;8(2):589-95.

PMID: 11839681 [PubMed - indexed for MEDLINE]

☐ 33: [Cerdeja J, Reich G, Wallace RA, Selman K.](#)

[Related Articles, Links](#)



Serotonin inhibition of steroid-induced meiotic maturation in the teleost *Fundulus heteroclitus*: role of cyclic AMP and protein kinases.

Mol Reprod Dev. 1998 Mar;49(3):333-41.

PMID: 9491386 [PubMed - indexed for MEDLINE]

☐ 34: [Tornell J, Carlsson B, Hillensjo T.](#)

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Vasoactive intestinal peptide stimulates oocyte maturation, steroidogenesis, and cyclic adenosine 3',5'-monophosphate production in isolated preovulatory rat follicles.

Biol Reprod. 1988 Sep;39(2):213-20.

PMID: 2846082 [PubMed - indexed for MEDLINE]

☐ 35: [Bornslaeger EA, Schultz RM.](#)

[Related Articles, Links](#)



Regulation of mouse oocyte maturation: effect of elevating cumulus cell cAMP on oocyte cAMP levels.

Biol Reprod. 1985 Oct;33(3):698-704.

PMID: 2996645 [PubMed - indexed for MEDLINE]

☐ 36: [Verghese MW, McConnell RT, Strickland AB, Gooding RC, Stimpson SA, Yarnall DP, Taylor JD, Furdon PJ.](#) [Related Articles, Links](#)



Differential regulation of human monocyte-derived TNF alpha and IL-1 beta by type IV cAMP-phosphodiesterase (cAMP-PDE) inhibitors.

J Pharmacol Exp Ther. 1995 Mar;272(3):1313-20.

PMID: 7891349 [PubMed - indexed for MEDLINE]

☐ **37:** [Eppig JJ, Freter RR, Ward-Bailey PF, Schultz RM.](#)

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Inhibition of oocyte maturation in the mouse: participation of cAMP, steroid hormones, and a putative maturation-inhibitory factor.

Dev Biol. 1983 Nov;100(1):39-49.

PMID: 6194027 [PubMed - indexed for MEDLINE]

☐ **38:** [Nogueira D, Cortvrindt R, De Matos DG, Vanhoutte L, Smits J.](#)

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Effect of phosphodiesterase type 3 inhibitor on developmental competence of immature mouse oocytes in vitro.

Biol Reprod. 2003 Dec;69(6):2045-52. Epub 2003 Aug 20.

PMID: 12930710 [PubMed - in process]

☐ **39:** [Sadler SE.](#)

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Type III phosphodiesterase plays a necessary role in the growth-promoting actions of insulin, insulin-like growth factor-I, and Ha p21ras in *Xenopus laevis* oocytes.

Mol Endocrinol. 1991 Dec;5(12):1939-46.

PMID: 1665204 [PubMed - indexed for MEDLINE]

☐ **40:** [Morgan AJ, Murray KJ, Challiss RA.](#)

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Comparison of the effect of isobutylmethylxanthine and phosphodiesterase-selective inhibitors on cAMP levels in SH-SY5Y neuroblastoma cells.

Biochem Pharmacol. 1993 Jun 22;45(12):2373-80.

PMID: 7687130 [PubMed - indexed for MEDLINE]

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